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NOTICE OF ALLOWANCE AND FEE(S) DUE

51921

7590

04/08/2008

MARK D. SARALINO (MEI) RENNER, OTTO, BOISSELLE & SKLAR, LLP 1621 EUCLID AVENUE 19TH FLOOR CLEVELAND, OH 44115

EXAMINER				
INGHAM, JOHN C				
ART UNIT	PAPER NUMBER			
2814				

DATE MAILED: 04/08/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537.868	06/07/2005	Yoshiaki Hasegawa	OKUDP0116US	8395

TITLE OF INVENTION: SEMICONDUCTOR LIGHT-EMITTING DEVICE AND METHOD FOR MANUFACTURING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/08/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further	correspondence includir ed below or directed oth	ig the Patent, advance of	rders and notification of n	naintenance fees w	ill be ma	iled to the current	nould be completed where correspondence address as arate "FEE ADDRESS" for
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RENNER, OTT 1621 EUCLID A	7590 04/08 RALINO (MEI) O, BOISSELLE & S AVENUE		I her	Cert	ificate of	Mailing or Trans	
19TH FLOOR CLEVELAND,	ОН 44115						(Depositor's name)
CLE VEEL IN (B),							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORN	EY DOCKET NO.	CONFIRMATION NO.
10/537,868	06/07/2005	•	Yoshiaki Hasegawa	•	OK	UDP0116US	8395
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	07/08/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	1			
INGHAM		2814	257-079000				
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required.			(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be	me of a single firm (having as a member a lattorney or agent) and the names of up to ed patent attorneys or agents. If no name is			
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	(B) RESIDENCE: (CITY	atent. If an assigne assignment. and STATE OR C	OUNTRY	Y)	ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Co.	rporation	or other private gr	oup entity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Sta	tus (from status indicated as SMALL ENTITY state		☐ b. Applicant is no long	san alaimina CMAI	I DAME	TV status Cas 27 C	ED 1.27(~)/2)
	d Publication Fee (if requ	uired) will not be accepte	d from anyone other than th	-			ne assignee or other party in
Authorized Signature				Date			
Typed or printed nam	e			Registration N	0		
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but lighting 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the DOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by thimated to take 12 n idual case. Any coi r, U.S. Patent and 7 D THIS ADDRESS	ne public ninutes to mments o Frademar . SEND T	which is to file (and complete, including the amount of tike Office, U.S. Dep (O: Commissioner)	d by the USPTO to process) ig gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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RENNER, OTTO, BOISSELLE & SKLAR, LLP			ART UNIT	PAPER NUMBER
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MARK D. SARA RENNER, OTTO, 1621 EUCLID AV 19TH FLOOR	ALINO (MEI) BOISSELLE & SKLA ENUE	,	INGHAM ART UNIT 2814	JOHN C PAPER NUMBER

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 58 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 58 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/537,868	HASEGAWA ET AL.
Notice of Allowability	Examiner	Art Unit
	JOHN C. INGHAM	2814
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communical IGHTS. This application is subjection	s application. If not included ation will be mailed in due course. THIS
1. 🔀 This communication is responsive to <u>amendment filed 11 .</u>	January 2008.	
2. ☑ The allowed claim(s) is/are <u>12-14 and 16-19</u> .		
3. ☑ Acknowledgment is made of a claim for foreign priority un a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have	e been received.	
2. Certified copies of the priority documents have3. Copies of the certified copies of the priority do	• • •	· · · · · · · · · · · · · · · · · · ·
International Bureau (PCT Rule 17.2(a)).	cuments have been received in	uns national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent APPLICATION (PTO-152) which give	MENT of this application. itted. Note the attached EXAMIN	NER'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st he submitted	
(a) ☐ including changes required by the Notice of Draftspers		TO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	· ·	
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1		
each sheet. Replacement sheet(s) should be labeled as such in t		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Inform	nal Patent Annlication
 Notice of Neterences Gled (110-092) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	6. ☐ Interview Summ	
3. ☐ Information Disclosure Statements (PTO/SB/08),	— Paper No./Mail 7.	Date
Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. ⊠ Examiner's Stat	rement of Reasons for Allowance
of Biological Material	9.	

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DETAILED ACTION

Allowable Subject Matter

1. Claims 12-14 and 16-19 are allowed.

2. The following is an examiner's statement of reasons for allowance: the prior art does not disclose the method recited in claim 12, wherein a second group III-V semiconductor is grown over the entire surface except a portion covered with the masking layer, thereby forming a current confining layer that has a striped opening defined by the masking layer and overhanging portions that overhang the striped opening; and growing a third group III-V semiconductor to cover the surface of the first group III-V semiconductor, which is exposed through the striped opening, and the surface of the current confining layer, including providing a gap between the first semiconductor and each of the overhanging portions, the gap not being filled by the third semiconductor...

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN C. INGHAM whose telephone number is (571)272-8793. The examiner can normally be reached on M-F, 8am-5pm.

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Art Unit: 2814

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Howard Weiss/ Primary Examiner Art Unit 2814 John C Ingham Examiner Art Unit 2814

/J. C. I./ Examiner, Art Unit 2814